

S097145



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

SWA15A-3-OH
Job Sheet ROH180971



Part No: SWA15A-3-OH

Job Qty: 1 ea

Part Name: Electric Swivel 15,000 lb Safe Work Load (6,818 kg)



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/18/18

Job Tracking No: RA346

Due Date: 8/1/18

Created By: Michelle Gagnon-Donovan

Type: Rework - OH

Description: SN: 2928-01

Note: DWG SWA15A Rev 1 IPP Rev A 18.03.22 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Start up Operation	1 Ea	8/1/18	8/1/18	0.00	0.00	Start Up Small Fab-4		
110	Small Fab	1 pcs	8/1/18	8/1/18	0.00	1.00	Small Fab-9		A.P.
120	QC	1 pcs	8/1/18	8/1/18	0.00	0.00	QC5		SD
130	Customer Acceptance	1 pcs	8/1/18	8/1/18	0.00	0.00	QC6		
140	Outsource	1 pcs	8/1/18	8/1/18			SKY002-VC		
150	Packaging	1 pcs	8/1/18	8/1/18	0.00	0.00	Packaging2		
160	QC	1 pcs	8/1/18	8/1/18	0.00	0.00	QC6		
170	Small Fab	1 pcs	8/1/18	8/1/18	0.00	1.00	Small Fab-9		7K 9-89
180	QC	1 pcs	8/1/18	8/1/18	0.00	0.00	QC5		SD
185	DC	1 pcs	8/1/18	8/1/18	0.00	0.00	DC		21 SEP 11 2018
190	Packaging	1 pcs	8/1/18	8/1/18	0.00	0.00	Packaging3-2		SB
200	QC21-FG	1 Ea	8/1/18	8/1/18	0.00	0.00	QC21		21 9-89 SEP 11 2018

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
SWA15A-3-AR	Electric Swivel 15,000 lb Safe Work Load (6,818 Kg)	1 Ea (1 ea)	100-Start up Operation	
188-FPSS-1032-5/8	Set Screw	1 Ea (1 ea)	170-Small Fab	5037083
188-FSCS-1032-5/8	Set Screw Capscrew	4 Ea (4 ea)	170-Small Fab	5078378
600.1319	Up Decal	1 Ea (1 ea)	170-Small Fab	5029485
EL-PLUG-F	3-Prong Female Spade Plug	1 Ea (1 ea)	170-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge	6 ft (6 ea)	170-Small Fab	5105579
SWA10A-1100	Upper DU Bearing	1 Ea (1 ea)	170-Small Fab	5097839
SWA10A-1200	Lower DU Bearing	1 Ea (1 ea)	170-Small Fab	
SWA10A-1300	Roller Thrust Bearing	1 Ea (1 ea)	170-Small Fab	5047196
SWA10A-1400	Circlip	1 Ea (1 ea)	170-Small Fab	5077643
SWA10A-1800	Cover	1 Ea (1 ea)	170-Small Fab	
SWA10A-300	Bearing Housing	1 Ea (1 ea)	170-Small Fab	
SWA10A-400	Thrust Washer	1 Ea (1 ea)	170-Small Fab	5098218
SWA10A-500	Semi-Rings	1 Ea (1 ea)	170-Small Fab	
SWA10A-600	Collar	1 Ea (1 ea)	170-Small Fab	
SWA10A-700	Wire Clamp	2 Ea (2 ea)	170-Small Fab	
SWA15A-100P	Lower End	1 pcs (1 ea)	170-Small Fab	
SWA15A-200P	Upper End Swivel	1 pcs (1 ea)	170-Small Fab	
SWA6A-1900	1/4" Female Spade Connector	6 Ea (6 ea)	170-Small Fab	5047608
SWA6A-800B	Connector Bushing	1 Ea (1 ea)	170-Small Fab	
SWA6A-900B	Rotary Connector - 3 wire	1 Ea (1 ea)	170-Small Fab	5084056

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	SWA15A-3	1	0	0
170-Small Fab	188-FPSS-1032-5/8	1	368	0
	188-FSCS-1032-5/8	4	281	0
	600.1319	1	218	0
	EL-PLUG-F	1	46	0
	EL-PLUG-M	1	75	0
	EL314-SJTOW	6	200	0
	SWA10A-1100	1	0	0
	SWA10A-1200	1	31	0
	SWA10A-1300	1	29	0
	SWA10A-1400	1	30	0
	SWA10A-1800	1	0	0
	SWA10A-300	1	0	0
	SWA10A-400	1	0	0
	SWA10A-500	1	30	0
	SWA10A-600	1	0	0
	SWA10A-700	2	46	0
	SWA15A-100P	1	10	0
	SWA15A-200P	1	10	0
	SWA6A-1900	6	558	0
	SWA6A-800B	1	20	0
	SWA6A-900B	1	15	0

Part Specifications

Specifications could not be found.

Grease Aerosher
 Loctite 648
 Loctite 242
 Silicone GE

m 138724
 m 138933
 m 138766
 m 138942

Plex 7/27/18 3:35 PM Dart.Gagnon.Michelle

Inspection Sheet Complete

RA346

Customer QA Ref #

0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
SWA15A-3	2928-01	1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED	S084080	OVERHAUL
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			

QC Approval: _____ 0

Date: 0-Jan-00 _____

DAK I
AEROSPACE

Container No: S097145

Part: SWA15A-3

Job No: ROH180971

Serial No/Batch: 2928-01

Rev: 10/1

Inspector:

Exp Date:

Instructions:

Date: 09/04/18

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 813 632-8200
Email: sales@daero.com
www.daerospace.com

RA346

Received Date: 25-Jun-2018

Inspection date:

QC Approval:

waiting on job #



VIH Helicopters Ltd

1962 Canso Road
North Saanich, BC V8L 5V5
Canada

PURCHASE ORDER

Date	PO Number
May 30, 2018	9301979

VENDOR
Dart Aerospace

Ship To
VIH Helicopters Ltd. Attention: 1962 Canso Road North Saanich, BC V8L 5V5 CANADA

If Credit card is to be utilized for purchase payment,
supply credit card number under separate cover.

VIH Project Code:		
Terms	Delivery Date	Ship Via

Description	Qty	Rate	Amount
Overhaul/Inspection of Swivel, S/N: 2928-01	1		
Supplier: Any changes to this PO must be in writing please email Invoice to accountspayable@vih.com A completed copy of this PO must be supplied to vendor		Taxes and shipping are additional to total	

Signed:

Max Nelson

Currency	CAD
Total	\$ -

RETURN AUTHORIZATION



RA #: RA346
Date: June 6, 2018
Attention: Max Nelson
E-mail: yardmech@vih.com
From: Jennifer Renwick

RETURN ADDRESS

☒ Hawkesbury Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 1K7, CA 1-613-632-3336	☐ Vista Dart Aerospace Ltd. 3030 Enterprise Court, Suite A Vista, CA 92081-8347, US 1-760-724-5300	☐ Eugene Dart Aerospace Ltd. 190 S. Danebo Avenue Eugene, OR 97402, US 1-541-344-9953
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SHIPPING

Courier:	Customers Choice
Account #:	Customers Account

COMMERCIAL INVOICE INFORMATION

Item #1		Item #2	
P/N:	SWA15A-3	P/N:	0
Description:	Swivel	Description:	0
Qty:	1	Qty:	0
Flown:	Yes	Flown:	0
Customs Value USD:	\$500	Customs Value USD:	\$0
Batch / Serial #	SN 2928-01	Batch / Serial #	0
Item #3		Item #4	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0
Item #5		Item #6	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0

ADDITIONAL RETURN AUTHORIZATION INFORMATION

- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return:



Overhaul Incoming Inspection
SWIVEL

Customer

ROH 180971 / RA 346

Date

2018/08/29

Part Number

SWA15A-3

Serial Number

2928-01

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

330 ROTARY CONTACT (1)

☐☐☐☐☐☐☐☐☐☐☐

Inspected By

ALAIN PATRY



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040874**

Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

PO No: PO040874
PO Date: 8/29/18
Due Date: 9/4/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH182544	SWA3-3-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg)	Firmed	-	9/4/18	1 pcs	0 pcs	1 pcs	\$89.00/pcs	\$89.00
					1 X	SEP 04 2018					
	OH182543			Firmed	-	9/4/18	1 pcs	0 pcs	1 pcs	\$89.00/pcs	\$89.00
	OH182542			Firmed	-	9/4/18	1 pcs	0 pcs	1 pcs	\$89.00/pcs	\$89.00
					1 X	SEP 04 2018					
Sub Total:							3	0	3		\$267.00
2	OH181477	SWA10A-2-OH	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	Firmed	-	9/4/18	1 pcs	0 pcs	1 pcs	\$89.00/pcs	\$89.00
					1 X	SEP 04 2018					
3	ROH180971	SWA15A-3-OH	Electric Swivel 15,000 lb Safe Work Load (6,818 kg)	Firmed	-	9/4/18	1 pcs	0 pcs	1 pcs	\$89.00/pcs	\$89.00
					1 X	SEP 04 2018					
Grand Total:										\$445.00	

Procurement Quality Clauses

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A022 Apical Processing

A024 process certifications

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/4/18 9:23 AM dart.lavoie.chantal

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO37237	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO040874
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:

CARRY OUT NDT ON EIGHTEEN PARTS AS PER PO: PO040874

1 ELECTRIC SWIVEL , P/N# SWA15A-3-OH , J/S# ROH180971 ✓

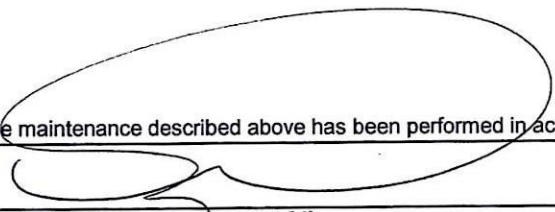
3 ELECTRIC SWIVEL , P/N SWA3-3-OH , J/S# OH182544 , OH182543 , OH182542 ✓

1 ELECTRIC SWIVEL , P/N# SWA10A-2-OH , J/S# OH181477 ✓

DAS
61
9-89

Action Taken:						Date:	Initial/Stamp:
MPI C/O IAW ASTM E-1444 REV. 16						AUG 30 2018	 
NO CRACK FOUND							
MAGBENCH S/N 208123 CAL DUE: 16-OCT-2018						DAS 38 9-89	
POWDER 14A BATCH# MPO13600							
CARRIER II BATCH# MPO20165							
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature: 	ACA/SCA Stamp 	Date: AUG 30 2018
Name: RAFIK MELIKIAN		

Work Order

ROH180971

Customer

6876

Number of Wires

3

Date

11/09/18

Serial Number

2928-01

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	15,000	Check for Conductivity against all wires.	Pass
1	15,000	Check all wires for grounding against swivel body.	Pass
1	10,000	Check for Conductivity against all wires.	Pass
1	10,000	Check all wires for grounding against swivel body.	Pass
1	5,000	Check for Conductivity against all wires.	Pass
1	5,000	Check all wires for grounding against swivel body.	Pass
1	0	Check for Conductivity against all wires.	Pass
1	0	Check all wires for grounding against swivel body.	Pass

Test Conducted By:

Francis Laeroux

Technician

Signature:

Sylvie Baucher
QC 5 Small FAB / QA

Submit